R ~ 12/4/83

DECEMBER, 1983 Vol. 2 Iss. 9

THE Monthly ACE

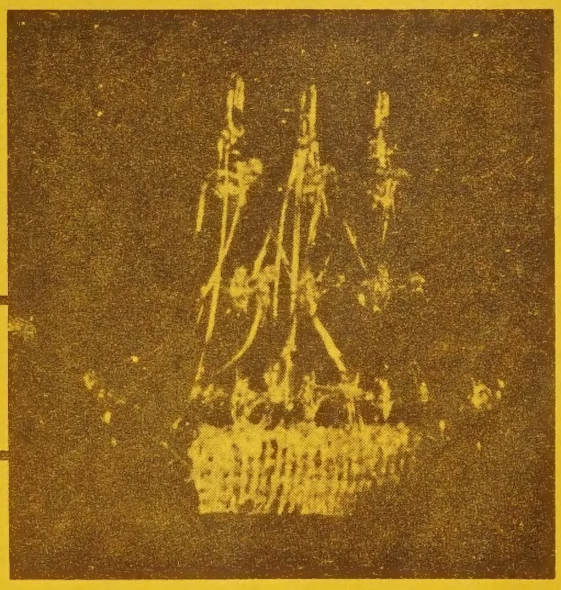
HAPPY HOLIDAYS!

ON BOARD THE CRYSTAL SHIP

The Crystal Ship

QSL

Shortwave



An interview with one of America's most widely heard radio pirates.

Published monthly by the Association of Clandestine radio Enthusiasts. A*C*E.

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MEDIA SCAN

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Shavertown,PA
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Seasons' Greetings and a happy December.

It has been a rather scarce month for material. This, I suppose is due to the lull of pirate activity that seems, to me at least, to occur in the late fall.

Of course the so called "Holiday Pirates" should be appearing in the near future as Christmas vacation begins.

KPRC has been on several times recently. Look for them around 1615 KHz. The signal is fairly audible throughout the east. Their address: PRC, P.O. Box 747, Exeter, NH, 03833.

Remember last year?

Specificly December '82's A*C*E?

The A*C*E's transition was almost complete. If you don't know what I'm talking about take a look at the first A*C*E of may '82, and then look at the one your holding.

The biggest news in that issue had to be the return of CBN to the airwaves and the test broadcasts scheduled. The A*C*E Report (now A*C*E Dialogs) edited by Kirk Baxter contained quite a few entries. A fact that suprised me was the fact that many if not most of the stations were logged 11 months later in Nov. 83. I suppose that shows the dependability that many of these stations have.

On the back cover it was printed that a new column would be appearing in January. That, of course, was Media Scan. The column didn't appear until Febuary due to an error on my part. Somewhere I still have a copy of what was supposed to be the first Media Scan, but in actuality never appeared.

By the way the price of a subscription was the same.

I must apologize for the quality of print in this month's column. Hopefully in the near future I will be aquiring a printer for my Atari 600XL. For those interested I have been working with computers for a few years and do most of my programming for atari's and TRS-80's in Basic and some assembler. I also do some work in PASCAL and FORTRAN as well as several other Basic derivitives.

If there is any way I can assist any one in the areas mentioned above please let me know.

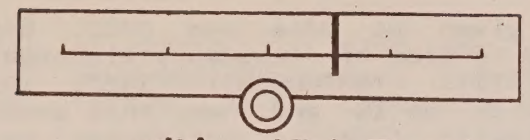
I would appreciate the names of any companies that deal in used or outdated computer equipment or anyone that has any that they are considering parting with. Thanks....

Tnx to the membership for the support you have given MEDIA SCAN over the past year.

Again seasons greetings

Tim Corcoran

A*C*E DIALOGS



with: Kirk Baxter

DECEMBER

The deadline for loggings is the 15th of each month. Send your free radio loggings, clandestine, unknowns, or oddities to: Kirk Baxter, P.O.B. 2571, Shawnee Mission, KS. 66201-2571. Phone # (913) 262-3247, before 0500 gmt. All times are listed in gmt. Report forms are available for a SASE.

NORTH AMERICA — MEDIUM WAVE

KPRC: 1616.7, 10/24, 0245, with usual excellent signal. Folk and pop mx with phone-in show (including call from Pirate Jack at WDX who said to look for WDX around Thanksgiving on 1620). Program was paralleled on 6280, but poor due to ute QRM. (MARTIN,DE) 1616, 10/24, 0421-0610, SIO=433. Anncd broadcsts on AM, SW, and FM on 91.5 Mhz, which they rarely mention. Signal is usually very good.(CHERNOS,ONT.) Saul also noted logs from 8/18, 0357-0518, 8/30, 0319-0416*, 9/2, 0355-0700, 9/10, 0345-0435, 9/19, 0404-0444, all on the same 1616 freq.

PRN: 1616, 11/13, 0645-0720+, SIO=131. Clear ID never heard, but slogan "The radio station that speaks your language" was copied. Rock mx was copied well, but the voices were very difficult to copy because of weak signal navigation beacon QRM and some QSB. (ZELLER,OH) [George listed this as possibly KPRC, but since I know PRN was on that night on MW & SW it may have been them--kgb] 1616, 11/13, 0756-0809. Very good signal. Used loop # (212) 352-9906 and talked to the DJs. They said they were also on 7375 Khz., and that they would be on at least one night whenever the space shuttle is up. (DECKER,NY)

NORTH AMERICA — SHORT WAVE

KFAT: 7412-7414v, 11/13, 0420-0448*, SIO=222-333. Mostly light rock mx, jazz and blues. OM with IDs and heard portion of an ad for a tape on how to speak CB jargon. Xmission off abruptly at 0448. Good audio quality, but slow downward freq drift. (ALLEN,OK) 7412-7414, 11/13, 0415-0449*, SIO=232-222. This station noted with C & W mx and some blue grass mx. IDed as "This is KFAT, brdcsting on 7.425 Mhz with a power of 20 watts. We are inviting all of our shortwave listeners to QSL us at the following address: 15-2700 Kulu St., Pahoa, HI 96778. This is KFAT, the "fat" one. We are testing this evening on 7.425 Mhz." The modulation was good; better than the 4/83 brdcst. (BIGLEY,TX) 7412.6, 11/13, 0428, SIO=222. Heard weakly with heavy QRN. IDed at 0430. Station driftling down in frequency badly. Thanks to Bigley for the tip on this one. (BAXTER,KS)

KPRC: 6279.9, 10/24, 0415, SIO=222. Heard on SW, but no signal heard on 1616. Very weak with heavy QRM from a CW ute station. (BAXTER,KS)

KQSB: 15060.6, 10/30, 1903-1923*, SIO=354. Very entertaining program. I believe their first time to use parallel freqs. The other freq was 11549.7 with a SIO of 242. Frank Furter with guest DJ "John Crazy" from "Radio Rotten". Mx by Kansas. Clever skit called "Rock and Roll Doctor" was done. Gave new mailing address of P.O. Box 5047, Hilo Hawaii 96720. Beautiful audio quality with a professional sound all the way. (ALLEN,OK) 7433, 10/30, 0358-0423*, SIO=343. Synthesizer IS with OM anncr with rock mx and reverb IDs. At 0408 heard "broadcasting on two frequencies". New

maildrop info given at 0416 and 0422. Signal improved towards end of brdcst. A good choice of frequency although the parallel of 11550 was buried under RTTY. (ARTHUR,HI) 7432, 10/31, *0358-0423*, SIO=443. Station noted with an IS and then this anncement "You are tuned to an illegal transmission from an unlicensed radio station. You are under arrest for conspiracy under Part 15, Section 308 of the Communications Act of 1934 and you are hereby are ordered to report to the nearest FCC field office for prosecution. For the location of the office nearest you, consult the white pages under 'US Government'". They featured rock mx and anncd a parallel freq of 11550 (not heard here). A very good program. (BIGLEY,TX) 6275, 10/30, 0457-0508*, SIO-232. Very weak, under idling RTTY and 'KUS' CW marker. (ARTHUR,HI) 15050, 10/30, *1856-1923*, SIO=454. Carrier on 1856, IS began 30 sec. later. "The Old Art" warned everyone they were "under arrest for conspiracy", and Frank Furter IDed the stn and played rock mx. Fantastic signal for only 100 watts. (ARTHUR,HI) 11549.6, 10/30, 1913-1923, SIO=333. Heard anncing a parallel on 15050 which was barely audible here. Great program with very professional production. (BAXTER,KS)

PRN: 7374.7, 11/13, 0749-0803*, SIO=222. Apparently a relay of this station's MW brdcst. Playing rock mx and talking calls via their loop #. I called and talked to Capt. Jeff Bleigh and "The Hook", who promised to have a card out soon. Also heard a call from Frank in Syracuse. I never could hear the MW xmission, and heavy QRN made copy on SW difficult. Very pro-sounding. (BAXTER,KS)

Radio Clandestine: 4890, 11/4, 0453-0507*, SIO=554. Program of novelty songs such as "Shaving Cream" and a song about nuns. R.F. Burns as the anncr. Appeared to be same program as one aired on 2/20/83 1855 gmt on 9550. Would you believe I tuned into the prgm at the same time as I did on 2/20? QSL por favor! (ROBERTS,OH) 4889.5, 11/4, 0451-0506*, SIO=444. Terrific signal, even on my ICF-2001. As usual the great Clandestine program with mx and comedy songs. (BAXTER,KS)

Radio Paradise Int'l: 6224, 10/22, 0320, with a good signal but QRM from SSB marine traffic. Mx by ZZ Top and the Go Go's. They said reports should go via BC. (MARTIN,DE) 6225.3, 10/22, 0257-0334*, SIO=333. Signal began weak, but became stronger during brdcst. Heard with time bleeps at 0257, and a long beep at 02:59:30 (for the top of the hour). Mx by The Police, Flock of Seagulls, Moody Blues, Walter Egan, and others. Mention of 25 watts of power. Seemed to be a live program because at times the anncr was at a loss for words. Interesting and well done. (BAXTER,KS)

Voice of Democracy: 7410-7415, 10/28, 2325-0010. Mx of the Beatles (On Our Way Home, I Dig a Pony). Part of the talk was not understandable, but heard mentions of Grenada and Cuba. Gave a loop # and IDed as "The one and only Voice of Democracy". (PETTIT,IA) 7417.7, 10/30, 0130-0140, SIO=242. Heard OM anncr with IDs and invitation to write, but I didn't catch the address. Instrumental pop mx was heard until fade out or s/off. Also heard later on same freq. at 0303. (ALLEN,OK) 7415, 10/30, 0120-0140, SIO=333. ID at 0123. Gave loop # of (212) 283-9977 (which didn't work for me). Beatles mx played by host 'Leopold'. Said their brdcst was from Washington D.C. (PETTIT,IA) 7414.4, 10/30, 0518-0532*, SIO=132. Station was just barely audible. OM with brief talk. Really spooky sounding organ mx with a man laughing, which continued till a sudden s/off. (ALLEN,OK) [do you think this might have been the mystery stn WBST?] 7418-7419,10/31, *0400-0436, SIO=222. Station first noted with an IS of the first 13 notes of the Star Spangled Banner. I tried to call their loop #, but it was busy. Gave the BC address for QSLs. (BIGLEY,TX) 7415, 11/1, 0533-0604*, SIO=444. Again using loop # (212) 283-9977, but I still couldn't get through even 10 minutes after their s/off. Mx from Lennon's Double Fantasy album. Very professional brdcst. (PETTIT,IA) 7420.3, 11/2, 0323, SIO=433. Programming was a parody of R. Moscow with usual comments on how much

better the Soviet Union is than the U.S. Gave loop #. Heavy QSB and QRN. (MILLER,WI)

Voice of Laryngitis: no freq., 11/13(14th?), 0440-0450. Played Lionel Richie's "All Night Long" and gave the BC address for QSLs. My first American pirate. (HAYNES,MS) 7415.2, 11/14, 0205-0225, SIO=222. "Long Distance Love Affair" and other rock mx heard slightly distorted. Possible ID of "Voice of Laryngitis", though not positive. Signal slightly FMing and my line noise made copy uncertain. (BAXTER,KS) 7415, 11/14, 0213-0230*, SIO=222. This new station was noted with a soul mx type program. Also a record from the big band era was thrown in during the last part of the program. At the end they anncd that QSLs were via the BC address for 3 20 cent stamps. This stn seemed to have modulation problems, but at least it was understandable. (BIGLEY,TX)

??????: The ID given by each contributor is in parenthesis, but obviously everybody heard something just a little different.
(WPSE) 7430.4, 11/1, 0235, with good signal till 0305. Special Halloween brdcst with monster/witches theme mx. ID tentative since the one voice anncment heard was somewhat garbled. Nice show. Pse QSL. (MARTIN,DE) (WBST) 7414.4, 11/1, 0334-0400, SIO=222. Heard an ad for the movie "Asylum" (is there such a movie?) at 0333 followed by rock mx, then the song "They're Coming to Take me Away" repeated for about 20 minutes with laughing in between the repeated song. This same thing was heard 10/29 on 7415.6 at 0413 and 10/30 on 7415.0 at 0329. (BAXTER,KS) (WBSD) 7415, 11/1, 0156-0320,SIO=343. First heard on 7415 with song "They're Coming to Take me Away", then talk about Jesus and the songs "Wipe Out" and "Houses of the Holy". At 0222 they moved to 7430 with the same program plus IDs of "on 666 SW and using 15 KW as authorized by the Devil Communications Commission from Salem Mass." Then audio from various films and the songs "Devil Woman" and "Riders on the Storm". (SPREMO,NY) (WDSG) 7416, 11/1, 0206-0213, SIO=433. Anncr telling Halloween story, wishing everybody a Happy Halloween. Possibly played "Wipe Out" by the Beach Boys. Gave ID and said they had a power of 13 KW from Salem, Mass and owned by the Lucifer Brdcsting Corp. Seemed to be gone by 0213. Good signal strength and audio quality. (MILLER,WI) (WBST) 7415, 10/30, *0426-0532*, SIO=443. IS of laughing man and then this anncment, "Welcome to another day of evil brdcsting from WBST shortwave. WBST operates on a sinister frequency of 666 khz with a power of 13 KW as authorized by the DCC, the Devil Children's Commission. WBST is owned and operated by the Lucifer Broadcasting Corp. Salem, Mass." He then wished everyone a Happy Halloween and a terrible time. (BIGLEY,TX) (WBST) 7415, 10/31, 0328-0436*, SIO=222. On for Halloween. Used "They're Coming to Take Me Away" and maniacal luaghter for IS. Played parodies of "The Exorcist" and audio cuts from other horror films. IDed as above plus "WBST is owned and operated by the Lucifer Broadcasting Corp., Salem, Mass., with studios and xmtr located in the Pentangle Towers on Gallows Rd. This is your anncr Johnny Wretch wishing you a Happy Halloween and a terrible time". Had to sign off real fast. PSE QSL! (POLLOCK,NY)

NORTH AMERICA — F.M.

KPRC: 91.5, 10/10, 0417-0805, SIO=555. Mx by the Birds and Dillon with calls to (212) 352-9906. Mike from WDX called and said they would be on around Thanksgiving on 1620. Ads for 'Up Yours Radio'. Program also paralleled on 1616 and 6280. (SPREMO,NY) 91.5, 10/24, 0314-0611*, SIO=454. Rock mx plus phone calls (including mine), but mostly calls from Canada this night. Played Stereo Nine's version of Safety Dance and Electric Ave. called "Stupid Ave." (SPREMO,NY)

WHOT: 91.5, 10/8, 0433-0905, SIO=454. Third anniversary program with party sound effects. Jim Nasium and Hank Hayes were the hosts with rock mx and tapes of old pirates they used to run including "WILD". Plenty of calls

LOOPS

to (212) 352-9906, including one from me. These guys are crazy. (SPREMO,NY) 91.5, 10/22, 0552-1106*, SIO=555. Jim Nasium and Hank Hayes played plenty of oldies and on-air requests till s/off. (SPREMO,NY) 91.5, 10/31, 0404-1016, SIO=454. Halloween special with requests via (212) 569-9979 until 0520 when they started using (212) 352-9906. Pirate Joe from KPRC called, and so did I. They said they were brdcsting from a cemetary. They had a sexual fantasy contest, but the only caller was an old lady that just wanted to talk about dogs. (SPREMO,NY)

EUROPE

Radio Dublin: 6910, 10/17, 0101-0200, SIO=353. World Music Radio, mx by Alan Parsons and Rod Stewart. Ads for the WRTVH. Reports were solicited with 2 IRCs to P.O.Box 4078, Amsterdam, Holland. (SPREMO,NY)

CENTRAL AND SOUTH AMERICA

La Voz del C.I.D.: 7464, 0245, 11/9, SIO=321. Usual comedy programs. (sic) 7464 continues to be the best during local evening until 0300, then 7400 is fairly good. 7352 is terrible now that WRNO and others are on nearby 7355. (LOCHMILLER,IA)

La Voz de Sandino: 6210, 10/2, 0105-0119, SIO=333. EE nx and discussion asking Nicaraguan men to join their forces. (SPREMO,NY) 6210 USB, 11/6, 0000-0140, SIO=322. Long brdcst with some RTTY QRM. Fine Nicaraguan folk mx mixed with many different messages from different anncrs. Five minutes of EG at 0115 followed by a message directed to the Nicaraguan Indians. Station was missing on 6210 on 11/9&10 at 0000 and 0400. (LOCHMILLER,IA) 6210, 11/13, 0400-0435, SIO=322. S/on at 0400 and fine until propagation went out at 0435. OM and YL anncrs with machine gun sound effects and reverb. Played some folk mx and usual anti-Nicaraguan rhetoric. (HAYNES,MS) 6210, 11/12, 0405. EG from 0505-0511 for EG speaking people on the coast. (PASCOE,WA)

Radio Farabundo Marti: 6930-7035, 10/23, 0107-0123, SIO=322. Bad jamming half of the time. Talk by OM and YL with mentions of Cuba and Raygun. Lots of mx through the program. Good audio when not jammed. (SPREMO,NY). 6910, 6930, 6900, 6920, 0102-0138, 11/10, SIO=323. Fine El Salvador song at s/on and s/off is best part of their brdcst. Station changed freqs four times during their brdcst. The UNIDed mx jammer reported last month was heard below RFM on 6900 and 6910 USB. (LOCHMILLER,IA) 6921, 6910, 6930, 6899, all heard during brdcst from 0120-0135*. (PASCOE,WA)

Radio Free Surinam: 6850, 10/4+, *0100-0130*. OM with IDs of "Dit is R. Frie Suriname" and anti-Surinam govn't talk. Brief Sranan Tongo lang. talk at 0120. Excellent reception. (KRUEGER,FL) 6850, 11/10, 0122-0127, SIO=333. Tuned in to hear a program in Sranan Tongo with OM shouting anti-government slogans. Then a short musical selection and s/off in Dutch at 0125. (MILLER,WI)

Radio Miskus: 6965 USB, 11/9, 0310-0330*. Indigenous language, same horrendous mx, poor audio but no carrier drift. ID at 0327 with Nicaraguan anthem at s/off. Nothing heard on this freq the same time next night. (HORVITZ,RI)

Radio Quince de Septiembre: 5565, 5730, 7000, 11/8, 0300-0335, SIO=234, 422, 322. Dull monotone SS talk by usual anncrs. No gunfire effects, no screaming, no EG, no Alan Parsons Project. Who will listen? (LOCHMILLER,IA) [How about the CIA--kgb?] 7050, 10/14, 1215. (PASCOE,WA)

Radio Soberania Nacional: 6960 USB, 11/13, 0000-0026*, SIO=242. Definite ID heard a few times. OM and YL anncrs denouncing the "terrorist FMLN" who have connections with Castro. Slow Latin (almost Brazilian night club style) mx with YL singer. YL gave ID and 3 freqs at 0024 followed by

orchestral anthem and s/off. (ZELLER,OH)

Radio Veneceremos: 6550, 11/13, 0240-0315*. No parallel freq. (PASCOE,WA)

UNIDENTIFIEDS

UNID: 1614.8, 10/16, 0634-0650*. OM anncr talking with weak and distorted audio made copy impossible, but he did announce a phone # and request listeners to "Call Now" before going off the air. (MARTIN,DE)

UNID: 1616, 10/28, 0300. Very weak signal. Don't think it was KPRC unless they drastically reduced power. (MARTIN,DE)

UNID: 3250, 10/30, 0637-0730, SIO=111. Pop mx. Possibly a harmonic. Any ideas? (BIGLEY,TX)

UNID: 4530, 11/6, 1335-1405+, SIO=232. C & W,mx with OM IDing as "Country 106". Perhaps a relay of some sort? (ALLEN,OK)

UNID: 6640, 11/15, 0110. Rock mx which disappeared by 0114. (PASCOE,WA)

UNID: 6900, 11/6, 0608, SIO=344. Instrumental mx only; suddenly off. Fair signal with good audio. (ALLEN,OK)

UNID: 7430, 11/1, 0300-0310. A faint sound of an Aerosmith song could be heard above the noise once in a while. Almost nil propagation at the time. (LOCHMILLER,IA)

UNID: 7432-7438, 10/28, 0110-0120, SIO=433. Station on and off with mx by Loverboy and Sammy Hagar. Good signal, but no ID. (LOCHMILLER,IA)

CONTRIBUTORS

Kirk Allen, OK.; NRD-515.... John Arthur, HI.; R-388....(how are you and those volcanoes and earthquakes getting along together?).... Arty Bigley, TX.; FRG-7700.... Saul Chernos, Ont. good to hear from you again Saul.... Frank Decker, NY.; FRG-7700..... Tommy Haynes, MS.; DX-302.... Bob Horvitz, RI.; R7A.... Terry Krueger, FL.;..... Grant Lochmiller, IA.; R-70.... Bill Martin, DE.; NRD-515.... Dan Miller, WI.; RF-2900.... John Pascoe, WA.; RF-3100.... Lani Pettit, IA.; ICR-2001 and her new computer..... Mike Pollock, NY.; RF-2200 (welcome to the contributor's page Mike).... Fred Roberts, OH.; R-2000 (sorry Fred about the mix-up last month! Did have a R-600 at one time or have I been listing the wrong rcvr all this time?..... Alfred Spremo, NY.; FRG-7700.... George Zeller, OH.; R-70....

I would like to apologize to Terry Kruger for the omission of his listing of R. Free Surinam in last month's column, but a computer editing problem apparently made the deletion which I didn't catch until after the column went to press. Sorry about that Terry!

I would like to remind everyone that the deadline for the column is the 15th of each month. Despite the fact that I have been able to include loggings which have gotten to me as late as the 18th or 19th, I can't guarantee that I will always be able to get computer time at the last minute. By the postmarks of mail that reaches me by the 15th, it appears that most mail needs to be mailed by the 11th, or by the 12th at the latest. Everyone's material will be used, but its certainly best to get it in print when the loggings are still timely, so please try to use the above guidelines.

Next month I hope to have a year in review section ready. I'll try to detail some of the events and new stations that were logged in 1983, which might be of special interest to those members that have recently joined the ACE. By the way, be sure to check your SW radio frequently this holiday season--no telling what might be heard.

Last but not least, I would like to wish everyone happly holidays, Merry Christmas, and Happy New Years. I hope 1983 went well for you and your family. I'd like to thank the many ACE members that have contributed to the column this year and have made it of such informative value--without your dedication to listening and reporting there would be nothing for me to say. I would like to say another special thank you to all those that have written over the last year with kind words and suggestions. I appreciate the time and effort you have spent in writing. Until the next coumn in 1984, 73s and good DXing and SWLing.

EUROPEAN REPORT

From Correspondent Podney Sixe, Cornwall, England.

RADIO FREE CITY: 17 Glendevon Road, Edinburgh, Scotland, made a welcome return to the airwaves on Oct. 23, 1983 on 6275 kHz after a rather lengthy absence. In previous transmissions, they were heard on 41 me
ters.

WEEKEND MUSIC RADIO: 42 Arran Close, Cambridge, England, made a broadcast on 2 frequencies in parallel on Oct. 23, 1983 on 6240 & 6265 kHz with a power of 40 and 20 watts respectively. Later they were heard QSOing with Prince Terry, the operator of Westside Radio, again on 2 parallel frequencies. At 13:18 UTC they were on 6275 & 6280 kHz.

KLA RADIO: 16 Windmill Lane, Long Ditton, Surrey, England. This station has reappeard and hope to do a complete year of broadcasting. They have been heard recently on both 6529 and 7333 kHz. Their most recent broadcast took place on Oct. 23 on the latter mentioned frequency.

RADIO WBI (R. Walvisbaai Int.) & Radio Delta, both using the same address, c/o Postbus 41, 8080AA Elburg, Holland, were co-programming on Oct. 23 on 7325 kHz during a special transmission of the former.

RADIO GEMINI: 10 Apsley Grange, London Road, Apsley, Herts, England, made their 11th anniversary broadcast on Oct. 30, from 10:00 to 11:00 UTC on 6231 kHz.

RADIO CAROLINE INT: PO Box 1, Brandon, Suffolk, IP27, England, made their final broadcast on Oct. 30th, 1983 on 6310 kHz, with DJ's saying their goodbye's. The station left the air because the "real" R. Caroline (offshore) is once again with us.

RADIO MADISON: PO Box 41, 7700AA Dedemsvaart, Holland, were heard with a test broadcast on Oct. 30, until 10:50 UTC on 6305 kHz, mostly in Dutch and German.

ELECTRONIC SOUND TRANSMISSION (EST): Box 943, 190 Monument Road, Edgbaston, Birmingham B16 8UU, England, normally an FM operation in Birmingham on 94.1 MHz, were heard on 7375 kHz on Oct. 30, 1983 at 11:05 UTC apparently in parallel with the FM service.

SATELLITE BROADCASTING CO.: PO Box 41, 7700AA Dedemsvaart, Holland, were relayed by RECC on 7317 kHz on saturday, OCt. 29, 1983 from 09:00 to 10:20 mostly in Dutch & German.

VERIED RESPONSE - your center for QSL information and comment...

John T. Arthur, prop.
15-2700 Kala St
Pahoa, HI 96778

(808) 965-8995
almost anytime
NOT collect

"God help the Republic is there is not a revolution every twenty years..."
--- Thomas Jefferson

HOW TO SURVIVE in Free Radio without really trying

-- Survival Tips --

The FCC is acting macho, dropping comments like "...someone's gonna do some time..." and handing out $2,000 fines; perhaps a few suggestions on avoiding The Knock might be advisable. I asked several Free Radio operators and several Free Radio supporters for their survival tips. Here are some of the responses:

Well known Frank (Abdul) Furter, of KQSB Int'l, said: "Be careful who you talk to. And keep transmissions brief -- less than 30 minutes each time."

Less well known Bud (burp) Weiser, of KSSR, wrote: "Don't broadcast too often. When you do, display technical excellence (a clean signal and good audio) and good taste in programming."

Becomming well known Mr Blue Sky, of Radio USA, responded: "Alter your voice, and announce that you broadcast from a ship off the coast."

Relatively unknown Whoop T. Due, of Radio Toronto, suggested: "Be as boring as possible -- everyone will think they're listening to the Voice of America."

Rapidly becomming unknown Edward McCarthy, of the late Radio Free Radio, answered: "Use state-of-the-art technology; like SSB transmission. The listeners may hate you but the FCC will leave you alone."

Free Radio listener David Markwick, in the U.K., added: "Stations in the U.K. don't stay on the air too long at one time, and don't always transmit from the same location."

A highly-placed FCC source revealed: "The best thing is to avoid causing interference to any legitimate radio services, but don't quote me on that."

Several people suggested trying to talk your way out of trouble in the great American "if you can't dazzle 'em with brilliance, baffle 'em with bullshit" tradition.

Don't believe you can b.s. the FCC! Most routines have been used before -- and most have not worked. The five Mobile Strike Force vehicles are equipped with miniaturized microprocessor controlled receivers and automatic tuning antennas that can get a DF bearing on your signal in minutes, no matter where you say you are. If you stay on the air for hours at a time, all they do is drive around a little, take a few bearings and they've got you "triangulated". Then they go to your neighborhood and wait to catch you in the act.

To help minimize risk, here are some survival tips:

1. The FCC's policy has been "if we don't hear about it we don't do anything about it." Meaning if no one files a complaint you can probably get away with it indefinitely. But that means NO ONE: radio amateurs, military users, MARS stations, ship-to-shore services, RTTY users, and don't forget neighbors and TVI. If you happen to take out a football game just once...you're in trouble! Learn to properly tune up your equipment and load your antenna, use a TVI filter, and listen before you broadcast.

2. Don't broadcast from a fixed location; equip for portable or mobile operation, and use quick-disconnect fittings to be ready to move at any time. This may mean advance trips into the woods to put up antennas so you can just drive in, hook up and boogie. It WILL mean a little planning. Remember not to use private property without permission; the FCC can walk in with a deputy sheriff, who will bust you for trespassing while the FCC man grabs your equipment.

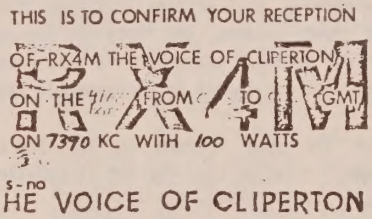
3. STAY OUT OF AMATEUR BANDS, including the MARS bands at each end of 40 meters. The hams will harass and jam you, and report you to the FCC if you don't move out of Their band. The MARS folks will call out military cops to track you down; and that is worse than dealing with the FCC.
The best idea is to research for clear frequencies before broadcasting. There are several reference books (Gilfer's 'Confidential Frequency List' and Handler's 'World Radio Communication Guide' are just two) available. All potential frequencies should be monitored at your location prior to use.

4. Avoid setting patterns. If you operate every Friday evening for an hour, you're setting a pattern, and needlessly increasing risk. Admittedly you are maximizing your audience, but sometimes that's not the best idea.

5. Think security. If you desire audience contact DO NOT use your home address, arrange for a maildrop. DO NOT announce your (or a friend's) home phone number, or a pay phone in your neighborhood...and be careful with loops (they can be traced). Do you want the FCC to find you THAT easily?

6. If all else fails, install a Claymore mine and punji stick defense perimeter inside a ten-foot electrified fence topped with barbed wire, and keep a large hungry dog close by when you broadcast.

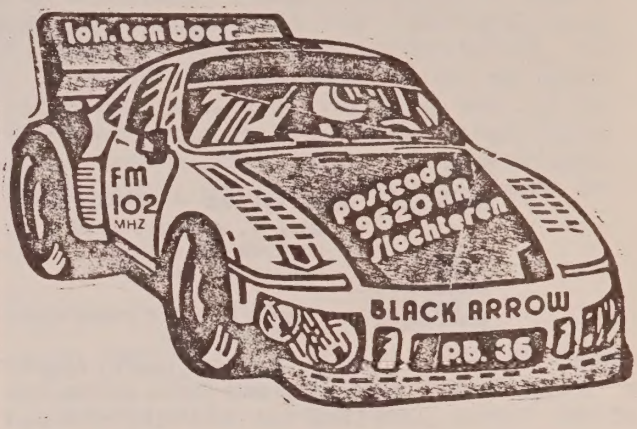
In summary, you can prolong station life by: research, planning and preparation, avoiding patterns, operating with a clean, non-interfering signal, thinking security, and giving little or no publicity. Whatever else you do: THINK; PLAN; PREPARE; then ACT!



SOAPBOX

A*C*E member REX WHETZEL takes the Soapbox this month to say:
"It never ceases to amaze me that when someone speaks out against those who espouse racial or ethnic hatred they are pounced on as 'Moral Majority-types' who only want programming as they see fit to be aired.
Or that to 'score one for democracy' includes defending without penalties all types of slander or libelous actions by any group against another.
Do those who favor Free Radio really feel that rights are protected by allowing defamation of character or maligning of races without question? Does not free speech also carry some small amount of responsibility?
It's THAT inconsistency that bothers me: that there are those who don't give a damn whether it's right or wrong, critical or libelous, different or slanderous. It's all OK as long as it's free. How will I feel when it happens to me."

Thanks for writing, Rex, and I hope to hear from you again. However, as I read Al's letter, the use of the phrase 'Moral Majority-types' was as a descriptive stereotype; something most people would understand quickly and easily. At worst it was bad simile; however, it was not an accusation that anyone was a Falwell-ite.
My position remains: 'I may not agree with what you say, but I will defend to the death your right to say it.' That's what free speech is, Rex; not just what you or I may think, but what anyone, anywhere may think. You are certainly free to question what you hear; there are also free thought and free will.
As A*C*E member Robert Horovitz, of RI, said (The A*C*E Report, Oct'83, p5), "Ignoring such people doesn't make them go away, and quoting them doesn't necessarily help them."
Let there be no doubt about it; the right of free speech carries with it equal responsibility. Phillip Carey is responsible for his statements and will presumably be held accountable for them when VoT is apprehended. I am responsible for statements of my personal opinion (and I have many of them). I have never defended VoT's subject matter, and I do not do so now. I defend only his constitutionally guaranteed right to speak his mind. Do you advocate equal rights for only some? Isn't that the same narrowmindedness to which you are objecting?
As to the 'don't give a damn' part: right and wrong are always subject to conjecture, being different is no crime, and our society could not have gotten where it is today without constant critical appraisal. Additionally, libel and slander are subject to legal prosecution.
It never ceases to amaze me when someone in our free society even hints at public censorship. As I originally stated, YOU maintain ultimate control of your senses, and there are two controls on every radio designed for personal censorship: a tuning knob and an off switch. Their use will not impose an unreasonable restraint on anyone else.
Of course, you have the same freedom as VoT. You can put an anti-Facist (or jammer) station on the air to counteract their propoganda; IF you take responsibility for it. jta



UNDER THE DOOR

FRED ROBERTS, in Ohio, reports a full data card from The Crystal Ship-7425, signed by The Poet, in 85 days for three mint stamps. (Thx, Fred; how about a xerox? jta)

AL SPREMO, in New York, received a black & white logo card from R Dublin-6918, signed by Marion Knule, in 69 days for 2 IRCs; and an unsigned, plain postcard with info on the back from R Paradise Int'l-6225, in 64 days for a stamp.

YOURS TRUELY got a pretty blue full data form letter (#69) from KQSB Int'l for the Oct 30th broadcasts on 7432, 6275 and 15050, signer Franklin Delano Furter, in 7 days for a phone call (sometimes it pays to operate a maildrop!).

HELP NEEDED DEPT.:
Al Spremo heard a WBSD,
Bill Martin reports a WPSE
(probably the same station),
around NYC, in the 41m band;
can anyone supply an address?

73FR,
John

Season's Greetings!
See U Next year...

Spy Centre

A compilation of Spy-Number station loggings for the month of December, 1983

EDITED BY:
Lani Pettit
3412 Old Lakeport Road
Sioux City, IA 51106
U. S. A.

0000-0059 utc/gmt

4030 SS/5,0018,10/11Tu,VW
5015 GG/5,0000,10/23Sa,//7405,PN call,DM
7404+ GG/5,0000,10/30Su,tune call, GZ;10/23Sa,//5015,PN call,DM
9074 SS/5 (not SS/4??),0032,10/11 Tu,VW

0100-0159

7445 PH/5,0110,10/24M,"K.P.A." til 0115,then ltrs,GZ (good one!)

0200-0259

5812 SS/4,0215,11/3Th,GZ
6853U GG/5,0200,10/25Tu,GZ

0300-0359

4670 SS/4,0335,11/10Th,GZ
6792 SS/5,0330,11/3Th,GZ
6840 CW/4,0335,11/10Th,GZ,cut #s; 10/25Tu,PB (welcome back!)
7445 PH/x,0317,10/20Th,K.P.A.2,VW
8089a CW/5,0300 & 0358,10/26W,U.A.V. call, & 6T6 call, PB
9267 GG/5,0306,10/28F,DM(his sio in UK was 233..usually better over here...hmmm??? ed.)
9324 GG/5,0332,A.C.call,10/20Th,VW
9324+ PH/5,0348,C.I.O.call,10/7F, & 0349,only C.I.O.2,10/20Th,VW

0400-0459

6225 SS/5,0400,10/30Su,LP
6235 GG/5,0420,10/8Sa,VW
6270 PH/x,0432,G.B.Z.2,10/20Th,VW
6782 SS/5,0430,10/21F,VW
6802 SS/4,0433,10/21F,VW
8089a CW/5,0410,10/26W,D.D.D.,PB
9222 SS/4,0412,10/7F,VW
9240 SS/5,0400,10/7F,VW
9325 PH/x,0445,10/21F,C.I.O.2,VW

0500-0559

3115 SS/5,0504,10/7F,VW
4770 GG/5,0517,10/21F,VW
5772U GG/5,0545,10/11Tu, & 10/29 Sa, DM
6269 PH/5,0538,10/20Th,VW
6270 PH/5,0500,10/8Sa,G.B.Z.,VW
6578 SS/5,0530,10/26W,VW
6780 SS/5,0505,11/13Su,LP--a new yl,3-final's,so prob. style of D.Vox
7527 SS/5,0532,10/31M, VW
7605 PH/x,0546,10/11Tu,V.L.B.2, //12950, DM
9450U GG/5,0504,10/26W,VW, D.F.call
9450 GG/5,0542,10/21F,VW
9465 EE/4,0515,10/8Sa,VW
9844 SS/5,0533,10/22Sa,VW
10740 GG/5,0541,10/8Sa,VW
11415 SS/5,0530,10/29Sa,VW
12950 PH/x,0547,10/11Tu,V.L.B.2, //7605, DM

0600-0659

3820 GG/5,0628,10/28F,VW
5015 GG/5,0600,10/23Su,P.N.call, //7303, LP
6773 SS/5,0615,10/8Sa,VW
6886 SS/5,0631,11/6Su,not D.Vox,LP (you new members, Deep Vox is our pet name for the bored YL usually this freq.)
6954 SS/5,0634,10/26W,VW
7303 GG/5,0600,10/23Su,P.N.,LP (//5015 was poor)
7342 SS/5,0610,10/26W,VW
7404 GG/5,0602,10/31M,VW
9420 SS/5,0630,10/21F,OM,VW
9462 SS/5,0630,10/8Sa,VW
10020+ SS/5,0630,11/6Su,LP (RHCuba hrd weak in bkgrd)
11633 SS/5,0601,10/23,LP

0700-0759

3367 CW/5,0754,10/24M,VW
4542 GG/5,0731,10/23Su,R.T.call, & 0737,10/30Su,DM
5810 SS/4,0704,11/8,LP
5860 ??/x,0701,10/27Th,DM
6200U GG/5,0717,10/21F,VW
6235 GG/5,0708,10/26W,VW } we did
6235 GG/5,0709,10/26W,DM } it!
(DM's SIO was 444; how was it in Maine, Vince?)

Abbrevs.--CW--Morse code; SS-Spanish;GG-German;EE-English;RR-Russian;FF-French; ??-unknown;PH-phonetics (don't call this EE);U-USB;L-LSB;M,Tu,etc.-days of wk.; SS/5,etc.-5 digit/ltr. groups;grps-groups;hrd-heard;a-approx.;//-parallel freq.; bkgrd-background;mx-music;tfc-traffic;w/-with;K.P.A.2,etc.-call (sometimes that's all); OM-man; YL-woman (all are YL's unless indicated otherwise).

0700, cont.

6800 ??/5,0712,10/8Sa,QM,VW
6833 SS/5,0700,10/8Sa,VW
6838 SS/5,0705,10/21F,VW
6868 SS/5,0735,10/26W,VW
6888 SS/5,0700,11/8Tu,LP
7680 SS/5,0740,10/21F,QM,VW
7845 SS/5,0700,10/26W,VW
8865 SS/5,0702,11/8Tu,LP
12950 PH/x,0750,10/30Su,V.L.B.2, //17595,DM
17595 PH/x, ditto! DM

0800-0859

5440 GG/5,0808,10/23Su,//6860,DM
6445 GG/5,0801,10/23Su,DM
6746a CW/5,0802,11/4F,repeat of 7600 at 0800, PB
6800 ??/z,0802,10/23Su,DM
6833 SS/5,0830,10/21F,VW
6853 GG/5,0802+,A.L.call,10/21F, VW, & 10/23Su,DM
6860 GG/5,0804,10/23Su,//5440,DM
6917 SS/5,0820,10/20Th,VW
7405 GG/5,0840,10/9Su,DM
7600a CW/5,0800,11/4F,cut #s,PB
7887 SS/5,0830,10/26W,VW
8185 SS/5,0800,10/26W,VW
8195 GG/5,0805,10/23Su,DM
12905 GG/5,0806,10/23Su,DM

0900-0959

4600a CW/5,0930,11/4F,repeat of 0900 on 5135, PB ; also 11/7M,PB
5135a CW/5,0930,11/4F,11/7M,cut #s, see 4600a, PB;also 11/8Tu(see 5600a) PB
5600a CW/5,0900,11/8Tu,repeated at o930, 5135a, PB
6288 ??/_,0910,10/30Su,DM
6410 GG/?,0937,10/16Su,LS
6455 GG/5,0908,10/23Su,DM (LS hrd 4-tone mx here 1/16Su, could this be the call? David?)
6767 SS/5,0900,10/20Th,//8040,VW
6872 SS/5,0930,10/20Th,VW
7373+ GG/5,0907,10/23Su,//7410,DM; 0904,10/16Su,LS
7410 GG/5,0905+,10/16Su,LS,10/23Su, DM, //7375
11415 SS/5,0934,10/26W,VW
12905 GG/5,0905,10/23Su,10/30Su,DM

1000-1059

5927 SS/5,1000,10/31M,PR
5940 SS/5, 1018,11/13Su,Pr (ended w/ "uno, uno, uno")
9442 SS/5,1000,10/21F,VW

1100-1459

(must be our 4 hrs. of sleep time!)

1500-1559

4682 SS/x,1505,10/29Sa,QM,count to ø and back, DM
4765 GG/?,1520,10/16Su,LS
6234+ GG/5,1500+,10/22Sa,LS & 10/29Sa,DM
7409+ GG/5,1500+,10/15Sa,LS & 10/29Sa,DM
7725 EE/5,1516,10/13Th,VW

1600-1659

3370U GG/5,1645,10/10M,GZ/Sch
4010 GG/5,1600,10/14F,DM
4395 GG/5,1601,10/14F,//5912,DM
4729+ GG/?,1603+,10/22Sa,10/29Sa,LS
5912 GG/5,1604,10/14F,//4395,DM

1700-1759

14427 EE/4,1715,10/29Sa,HR

1800-1859

5015 GG/?,1815,10/29Sa,LS
5089 GG/?,1818,10/29Sa,LS
7605 PH/x,1847,10/23Su,V.L.B.2,VW

1900-1959

9325 PH/5,1912,10/14F,VW
9436 EE/4,1927,10/14F,VW
9450 GG/5,1939,10/11Tu,VW
10134 GG/5,1923,10/11Tu,VW

2000-2059

5821 xx/x,2046,10/22Sa,LS--4-tone sig.like 6453,0938..call?
7375 GG/5,2042,10/31M, VW

2100-2159

3216 GG/?,2103,10/15Sa,LS
3258 GG/?,2103,10/15Sa,LS
3370 SS/5,2110,10/11Tu,GZ
3372U GG/5,2136,10/16Su,DM
3375 GG/?,2101,10/15Sa,DFC-31,LS
3382 GG/?,2102,10/15Sa,LS
3384 GG/?,2136,10/30Su,LS
3820 GG/5,2120,10/11Tu,VW
4010 GG/5,2113,10/6Th,VW
4012U GG/5,2137,10/16Su,DM
4542 PH/x,2134,10/30Su,Y.B.,LS
4594U PH/x,2133,10/30Su,I.T.,LS
5014 GG/?,2132,10/30Su,C.T.,LS
5749 GG/?,2106,10/15Sa,LS
8078 EE/?,2116,10/15Sa,LS
8120 GG/5,2130,10/31M,VW
9130 PH/5,2112,10/30Su,VW
9325 PH/x,2147,10/12W,C.I.O.2,VW

Not as many logs this time, but some good ones! 88's to all those who made an effort to use 1"+ log strips & in order used in column! More logs next page...

2100, cont.

9450 GG/5,2130,10/12W,B.F.,VW
11532 SS/4,2100,10/29Sa,VW

2200-2259

3230U GG/5,2214,10/11Tu,DM
3232 GG/5,2215,10/11Tu,DM, & 2230, 10/11Tu,GZ/Sct (betcha they hrd the same bc!)
3260 GG/5,2230,10/11Tu,GZ/Sct (note, not //to above log)
3370 GG/5,2216,10/11Tu,DM
3370U GG/5,2230,10/11Tu,GZ/Sct.
3380 ??/5,2230,10/11Tu,GZ/Sct. (east-Euro. lang.)
3415 PH/_,2218,10/11Tu,DM
3820 GG/5,2219,10/11Tu,DM
3930 PH/x,2223,10/11Tu,U.L.X.,DM
4010 GG/5,2220,10/11Tu,DM
4565 ??/_,2221,10/11Tu,//5157,DM
5090 GG/5,2200,10/11Tu,GZ/Sct., & 2240, 10/11Tu,GZ
5157 ??/_,2223,10/11Tu,//4565,DM
5182U GG/5,2210,10/11Tu,GZ/Sct.
5438 PH/_,2217,10/11Tu,DM
6235 GG/5,2200,10/10M,GZ/Sct.

##
Attn: CW spy stations--PB would like a job there; please reveal identity & QTH!

A nice letter written by "Blackbird" (do we ever have alot of anonymous readers!!) suggests a "listening watch" with members monitoring certain freqs. Recept. reports would be sent to Spy Centre and signal strength, etc.could be compared...to help determine transmitter's location. We're getting lots of good reporters, so maybe that's a future possibility. Any other opinions?

CD writes;sez he was disappointed in the book, The Code Book by Marotta. It is very "amateurish" in it's approach, basically explains one-time-pad. But CD likes books Aegean Park Press has on cryptography & cryptanalysis (Box 2837 Laguna Hills,CA 92653. They even have reprints of declassified training manuals. The American Cryptogram Assn.,1007 Montrose Ave.,Laurel,MD 20707,publishes a bi-monthly nxltr--membership $9.50 a yr.(in U.S.).They sell one of the best books Chris has read for beginners, Elementary Cryptanalysis by Gaines.

Chas. Johnson still tries to get monitoring clubs and the crypto-type groups together. In a recent letter a Cryptography editor sez he has trouble finding any such #s stations! (Can you guys believe this!)

Well, things seem to be better in "JX" these days, as JD. (John Demmitt) has rec'd 2 copies of The Code Book!(see last 2 issues of ACE!) John has offerred his extra to ye editor, which is really generous of him!! Thanx J.D.!

I can't believe I got this all done (typed, that is) in just 4 hours! I can use the break! As usual, I'm swamped with things to do...the latest being my project of typing about 40 pages of Sioux City history for an up-coming county history book! Commodore is still delayed in getting disk drives made (arghh!) Among the hustle & bustle, I managed to win a compact stereo sytem in a drawing! (a good one!). By the way, I do know the diff. between "right" & "write" (in case you noticed in last column!)--just didn't get it write that time! Hi! Until next time:

73, 88, and gud spy-dx,

Lani#

2300-2359

3150 PH/x,2302+,10/24M,10/27Th, 10/29Sa,P.C.D.,DM
3258 GG/5,2306,10/25Tu,DM
3646 SS/x,2323-36,11/10M,OM, The Babbler,freq.pauses,very rapid,//7397 was better,GZ
3820 GG/5,2307,10/25Tu,DM
5643 PH/x,2330+,10/24M,10/27Th, //8425,S.Y.N.2, DM
7397 SS/x,2323,11/10Th ,GZ (see //3646)
8425 PH/x,2330+,10/24M,10/27Th, //5643, DM
9325 PH/x,2345,10/14F,C.I.O.2,VW
9446 SS/x,2330,11/16W,OM,usual Wed. bc,& best sig. ever (443), "369 ØØØØØ", LP

##
This issue's contributors:

CD-Chris Devendorf,CA
DM-David Markwick,UK
GZ-George Zeller,OH & Sct./Scotland
HR-Hub Ratliff,TX
JF-Jim Fortney,PA
JM-Jon Morrison,ME
LP-Lani Pettit,IA
LS-Lothar Struck,FRG
PB-Phil Bowers,TN
PR-Paul Royce,WI
VW-Vince Werber,ME

##

ON BOARD THE CRYSTAL SHIP

An exclusive A*C*E interview

Let's begin this interview with a historical background of TCS. When did you decide you wanted to run a pirate radio station?

TCS: Back in June of 1982, three of us were just wrapping up a term of school, and the Poet said, "Hey, let's start a radio station." Everybody thought it was a good idea. The first broadcast that we know someone heard was on July 31, 1982, and was monitored by A*C*E's Darren Leno.

How was the Poet first exposed to pirate broadcasting?

TCS: The Poet never heard a pirate before we started TCS, but he was an SWL and NASWA member back when the Voice of the Voyageur was first getting popular, and he read alot about them.

So obviously, the Voyager served as an inspiration to the Poet. What can you tell us about the rest of the TCS staff?

TCS: The basic staff consists of the Poet, the Radical, and the Unknown Soldier. The Poet has been the motivating force behind the station, as well as the pseudo-engineer, and production manager. The Radical is our resident democratic socialist and supplies much of the politcal thought heard on the station. The Unknown Soldier defies labels, but would have to be considered the militant arm of TCS operations. Like we always say, "The FCC can get federal marshalls, but WE got the Unknown Soldier!" Unfortunately, he is often absent from programs due to overseas engagements. The three of us were brought together in this through a mutual affinity for (music by) the Doors, the Who and Blue Oyster Cult.

The audio quality of TCS's first transmissions was relatively poor. What steps did the "psuedo-engineer" take to correct that problem?

TCS: Much of our trouble originated within our 1962 Allied Knightkit T-150 transmitter. Whoever put it together made from 12 to 20 very big mistakes in wiring, and quite a few parts needed replacement. We also suffered from an RF feedback problem, often referred to as a "motorboat" because thats what it sounds like. When we got our new audio board from Radio Shack, we bypassed all of the inputs and outputs within the board with mica capacitors across the jacks, and never suffered from RF again. Not being technically inclinded, we never would have solved the problem, except for the assistance and advice we received from a very good friend to the movement in the east who shall remain nameless. Many of the audio problems pirates suffer can be linked to RF interference, especially on shortwave.

Certainly your station has had it's problems. On a lighter side, have you had any humorous experiences while on the air?

TCS: When we first tried to go on (the air), we were parked in a van on one of the highest spots in our county. We had our antenna erected and (equipment) connected to the van's battery. We didn't realize that we couldn't draw 300 watts from a 100 watt power inverter. We did it for a few seconds and the the lights on the transmitter dimmed and the tapes slowed down and sped up until we decided this wasn't going to work. We were sitting there, all bummed out, trying to figure out a solution to our problem, when the Radical said, "Well, why don't we get a 'Mister Microphone?'"

Has TCS made any mistakes it's sorry for?

TCS: Yeah, we're sorry we wiped out the 41 meter band on Oct. 24, 1982. It was an accident; we didn't realize that our transmitter was having delusions about being an FM rock station. We didn't want the Strategic Air Command to scramble (on our account.) We sent it (the xmtr) to a doctor right after that.

Is there a philosophy behind TCS, and if so, what is it?

TCS: There is a philosophy behind this, and it is expressed in a poem written by the Poet, which is read right after the song "The Crystal Ship" at the start of each broadcast. Alot

of listeners probably have never caught the beginning of a show, so here it is:

"The Crystal Ship is being filled, a thousand thrills awaiting, We bid you come along with us, and sow the seeds of rebellion, For the time is now, the hour has come, the young shall fill the streets And they shall grab for the brass ring, ripping it from the hands of tyrants, The high and the mightly overthrown, their idols trampled to the ground by the young, a new world is born, the way it ought to be... Be daring, be strong, they've got the guns, but we have got the numbers, Our time has come, now follow us, and we will take you there!"

It has been said that the content of your programming is Socialist. Is it?

TCS: It cartainly seems that way sometimes. However, we don't consider ourselves to be a socialist station.

A few months ago, TCS seemed to be on the air just about every weekend. Why have you cut back on your air time?

TCS: It got to be hazardous to our health.

What would you do if you were "busted" by the FCC?

TCS: I'm sure you'll read about it in the newspapers; it should make national headlines.

Do you favor the creation of an "Amateur Broadcasting Service?"

TCS: Absolutely! We would be happy to do what we're doing now in a legal manner if the Feds would give us the means. Unfortunately, they show no sign of doing it soon.

What can be done to bring about such a Service?

TCS: There are quite a few things that could be done, if only someone would do them. First of all, anyone can submit a proposal to the FCC, and they (the FCC) have to put it on public display for two months and then MUST take some sort of action on it. We are trying to put together a proposal of some sort right now, and would be very pleased to receive any suggestions on specifics. We are also planning to meet with our congressmen, because it may bery well take lesislation for a change to occur. It seems pretty unlikely that the FCC will give us anything, partly because it might create alot of extra work for them.

Do you think you provide an alternative to commercial radio with your programming?

TCS: Well, we're a shortwave station, and SW isn't really a commercial medium. I'd say we provide an alternative to all of the government owned stations that are on the air.

In your eyes, is there unity amoung pirate broadcasters?

TCS: There is some unity, but it occurs in very small cirlces where certain pirates know a few others and they help each other out. I think there should be much more unity since we're all doing the same thing and have a common enemy. If we band together in cartain ways we could all become stronger. We've had a few ideas, such as forming a free radio network, a political lobby, or maybe a liberation army... We should flex our political muscle.

In your eyes, is there to much government regulation of the radio industry?

TCS: You've got to be kidding!

I'll take that as a yes. As long as we're on the subject of government, what is your attitude toward the FCC.

(-Editors note: TCS's response to this question was so long, it had to be edited for length. However, every effort was made not to distract from the general attitude of the reply.)

TCS: We consider ourselves in a state of war (with the FCC). They're playing dirty now, aren't they? I refere to the bust and subsequent action at R. North Star Int'l. That guy made the basic mistake of opening his door during a broadcast, but what the FCC did would seem to be pretty dishonest. The agent who walked in on Northstar saw the equipment in operation, which is all the FCC legally needs to levy a fine. Then he offers Northstar leniency if he "cooperates". The agent convinced the op to write a letter saying "how sorry he was for what he

had done" and then levied a $2000.00 fine on him. The price for free speech and freedom of the airwaves keeps going up and we think its time for a revolution of the airwaves.

Now I'd like to say a few things to the operators (of pirate stations) who will be reading this. It can help you to avoid a fine you know exactly what to do if the agents knock at your door. All of the ops who have been busted seem to think that it's all over when the Feds are on your doorstep. In order to give you a fine, the FCC must have real proof. Knowing that a signal is coming from your house is proof of nothing. The FCC can't go into court and say, "Well, there was an antenna, and he sure looked guilty!" Besides, the antenna is for your receiver! DON'T let the FCC in your house without a warrant, and remember to shut off your equipment before answering the door for anyone.

*Thank you for talking with us. I'm sure the members of A*C*E will find your remarks very interesting, and please keep up up-to-date with things at The Crystal Ship.*

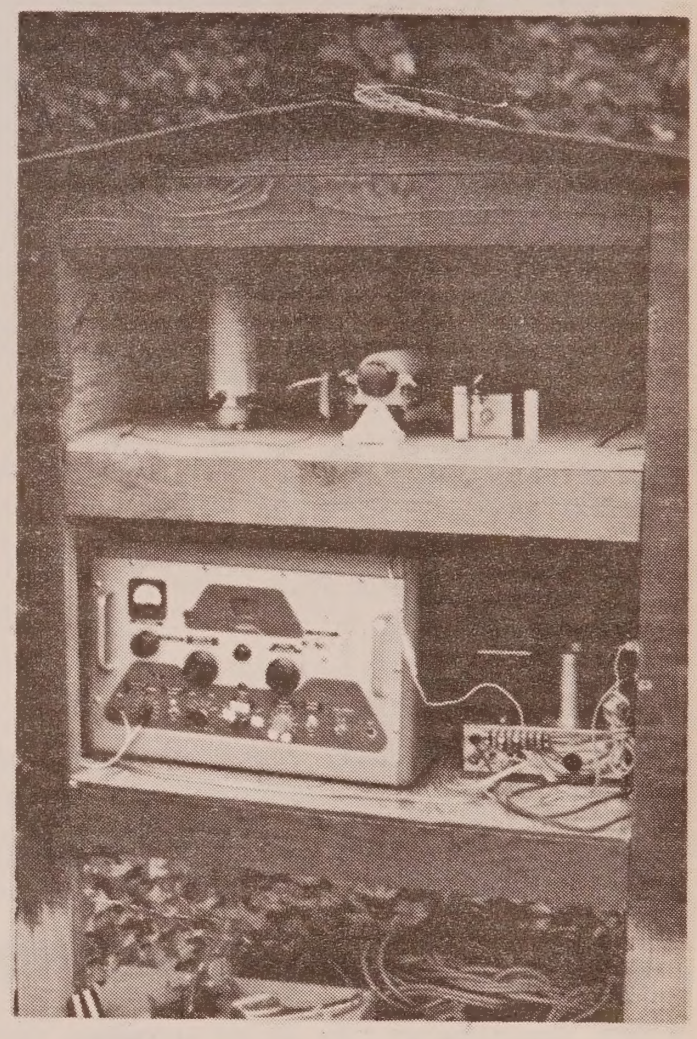
*It should also be noted here, for clarity's sake, that A*C*E neither oficially condemns, nor condones the activities of pirate broadcasters. Because broadcasting without a license is a crime punishable by a maximum sentence of $10,000 and 1 year in prison for EACH violation, we encourage no one to do it. (A*C*E)*

KFAT UPDATE

KFAT was, and indeed is, experimenting on shortwave. Occasional tests occur on or around 7425 kHz, usually between 06:00 and 08:00 UTC. The operator, Fred Oyster, stresses that thee transmissions are "very random."

The medium wave operation is still operating on a regular late night basis. West Coast listeners should listen on 1560 kHz. KFAT uses 150 watts. Reception reports to the station show that KFAT is being heard, and listeners in Southern California and Arizona have reported very signals to KFAT, perhaps because of an experimental directional antenna array.

Listeners should look for a curious blend of country and old-time fiddle/banjo music. I.D's by famous personalities, and strange sponsors. Fred Oyster stresses he will send the stations interesting QSL to all qualified applicants. Reception reports go to John T. Arthur (see Veried Response for address.).



Fred Oyster enclosed this picture of the 1560 KFAT transmitter in it's remote swamp location.

NOTICE

This issue of THE ACE was delayed due to the thanksgiving holiday and the two snow storms that came with it, dumping 25 inches of snow on Minneapolis. Hopefully, we won't have the same problems next month. Since your publisher is going home for the Christmas season, please send all Classified Ads, articles, etc. to; 118 37th Ave. So., Moorhead, MN 56560. The January ACE will be published from this location.

TECHNICAL MEMORANDUM - #2

By: Frederick R. Vobbe
Post Office Box 127
Temperance, MI 48182-0127

Did you get your antenna up? Good, now lets phase them dudes for fun and profit.

Phasing of antenna systems can be done one of two ways. The fist way is cable phasing. CB operators have done this for years feeding the signal from their radio to two whip antennas. The second way is thru a Phasor Network, which is how Broadcast Stations do it.

An example where a phased array would be benificial could best be expressed in a situation where the operator of a station would want to direct the signal towards a certain area while keeping signal from going in another area. As an example, lets set up a hypothetical test station in Salisbury, Maryland.

The operator might want the signal to go NNE & SSW but not towards Washington DC or be wasted over the Atlantic. A figure "8" pattern would work well, & with two towers. Note the signal coverage in Figure A.

This is done by placing two towers in a line on a bearing of 10 degrees. The towers are separated 90 degrees, (remember the formula from the first artical on conversion of degrees to length?), and the north tower is lagged 180 degrees. The lag is done by running a line from the transmitter to the South tower where it is connected to a "T" connector. One part of the "T" is connected to the South tower, then we add a coax between the South towers "T" connector and the North tower at a length of 180 degrees. There is your phase lag. You will also have a current loss of about .94/1.00 which is normal. The Gain of this antenna is 1.505 db over the standard vertical, & the front to back ratio is 5.38 to the -6, so for the most part it is a perfect figure 8.

Now what happens when all you want to do is radiate your signal away from the ocean. You modify the antenna system by placing the towers on a line 100 degrees true, which gives you a East/West angle. You would then feed the West tower, and come off the "T" with 270 degrees of coax to the East tower. The pattern of the signal would look like Figure B.

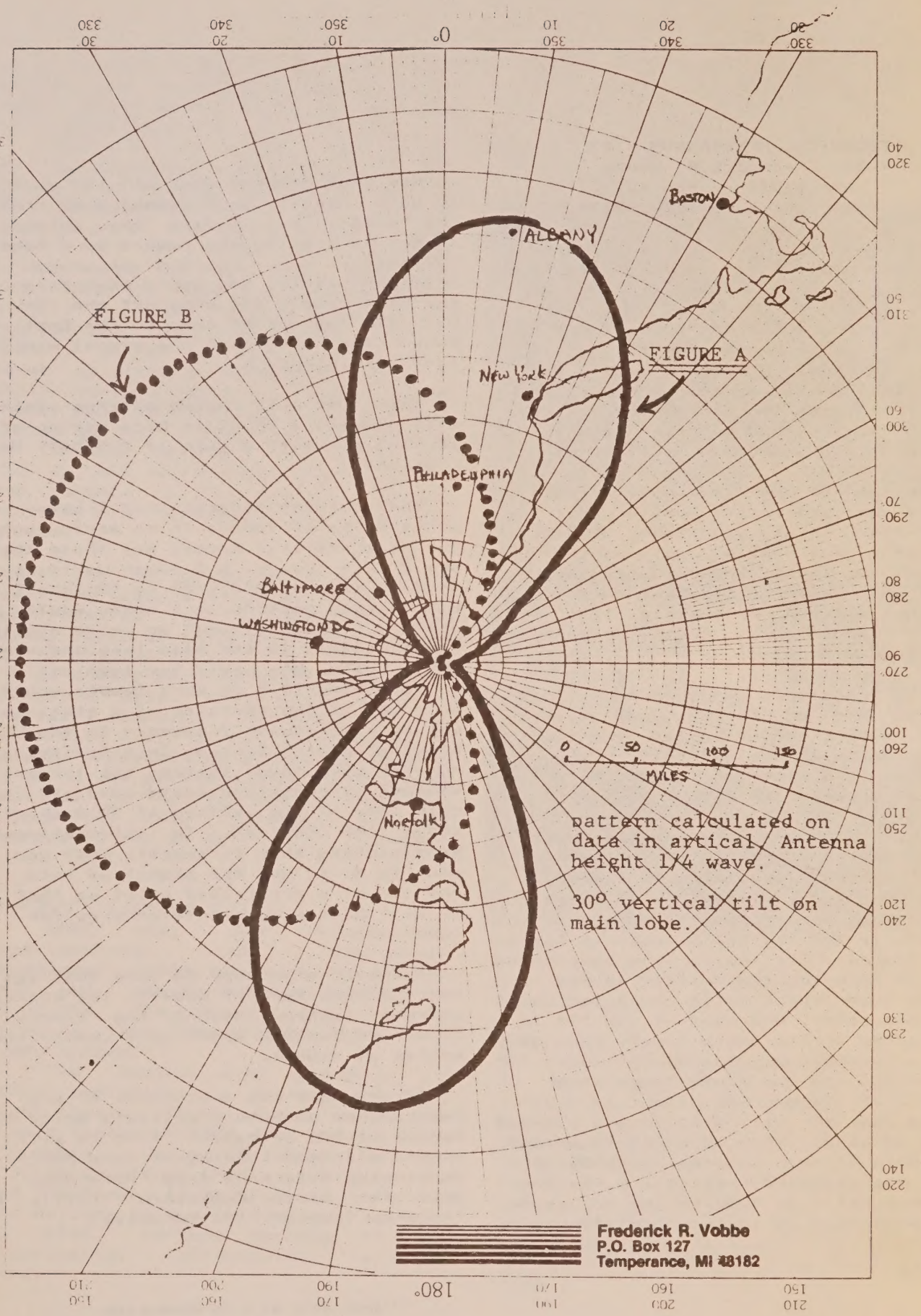
This deep null phased antenna system will produce a front to back ration of 18.9761 db, with a gain of 2.95567! Not bad, eh?

The computer program that I have works up to 10 towers in an array, but the most pratical arrays are those that are 2 to 4 towers. A 3 tower would be used to make a "Dog Leg" or "Baseball Bat" shaped pattern. A 4 tower would yeild a "4 Leaf Clover" or pattern with large signals in the main lobe and very tight nulls. Why would you ever use 4 or more towers? 4 or more towers would be great if the operator of a station was on a shortwave frequency in the US beaming towards Europe. In a typical quarter wave tower system, the largest ammount of radiation would come off the main lobe of the pattern at 30 degrees above the horizon. In international broadcasting that is exactly what you want to do is get the signal up into the air at a prescribed point so that it will bounce down into an area for coverage.

A couple of notes. Be sure that you use the same type of coax in the entire antenna system. Moving the towers closer or farther apart will change the angles of signal.

If you have any questions, or any suggestions on future articals write to Darren at ACE or myself. 73's to all, and to all good phasing of Coke Bottle Verticals. Referance from "Reference Data for Radio Engineers" (ITT), & "Antenna Theory" (C. Balanis)

*Figures A & B are on the following page.



K&E POLAR CO-ORDINATE
46 4412

an A*C*E Special Feature

FREE RADIO DIRECTORY

Third edition, December 1983
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These are known mailing addresses of North American Free Radio stations, accurate to 15 Nov 1983. In an attempt at completeness, this list includes many inactive stations.

* - station known to be inactive or busted
*? - it's anyone's guess
+ - also on shortwave

625 Post St, San Francisco, CA 94103
KDHS-840*

1316 Sherman St, Alameda, CA 94501
RX4M*

Box 144, Riverside, NJ 08075
KHO

Box 245, Moorhead, MN 56560
WART-1632v*, WDX-1620, WTDT*, KMJC, KPHU*, New Wave Radio International, Radio Free Radio*, The Crystal Ship, Voice of Venus*

Box 302, Levittown, PA 19057
WRAM*

Box 747, Exeter, NH 03433
KPRC-1616+

Box 786, Bristol, VA, 24203
Voice of Tomorrow

Box 982, Battle Creek, MI 49016
WCRS*, WHFO*, WOIS, WOOF*, WPOT-1610+*, KTGR, Radio Alpha Corona*, Radio Amity*, Radio Clandestine, Radio Confusion, Radio Free Wombat, Radio Flying Dutchman, Radio Indiana, Radio Northstar International*, Radio Paradise International, Radio Toronto*, Radio Xenon*, Sumari Radio*, Voice of Laryngitis, Voice of the Pyramids, Voice of Revolutionary Vinco, Voice of Syncom, Voice of the Voyager*

Box 1540, San Luis Obispo, CA 93406
KVHF*

Box 1851, New Britian, CT 06050
Free Radio North America*

Box 5074, Hilo, HI 96720
WEAK, KCFR*?, KEXJ-105.9+, KFAT-1560+, KMTL-750, KMUD*, KQSB, KSSR*, Magnetic Storm Broadcasting*, Radio Free San Francisco*?, Radio Telstar*?, Radio USA

Box 23792, Phoenix, AZ 85063
Fantasy Broadcast Station

Box 40554, Washington, DC 20016
Pirate Radio New England-1616

When contacting a Free Radio station:
(1) Use the address announced on the air. If none is announced, try the one listed. If all else fails, send a report to one of the main maildrops and hope for the best; allow longer for additional forwarding, of course. [NOTE: Many stations can be reached through other addresses than these; some stations that no longer operate can be reached through the Battle Creek address (e.g.: FRNA and KVHF). Some older Boxes may be closed, with no forwarding address on file at the post office.]

(2) Enclose adequate postage for forwarding and reply; three 20-cent stamps will cover everything. Do not expect a maildrop to pay for your QSL!

(3) Remember that announcing a maildrop is not guaranteeing anything, and don't blame the maildrop if you never hear from the station. We are not QSL Managers, we simply forward mail; the Operators are supposed to live up to any '100% QSL' promises they make.

If you operate and desire contact with your audience, use a maildrop for security. Write for permission and conditions before using anyone's address! The only maildrops (known to me) accepting more Free Radio stations are:
Box 245, Moorhead, MN 56560
Box 982, Battle Creek, MI 49016
Box 5074, Hilo, HI 96720

I am indebted to Scott McClellan, Darren Leno, Kirk Baxter, and others, for their assistance in compiling this list.
Stations are requested to confirm active status and address information prior to 1 May 84 for inclusion in the Fourth Edition, to be published in June 1984.
Listener input is also requested. Write to: Box 5074, Hilo, HI 96720.
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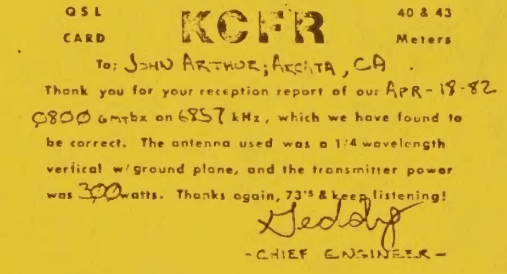

A * C * E
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Minneapolis, MN 55414 USA

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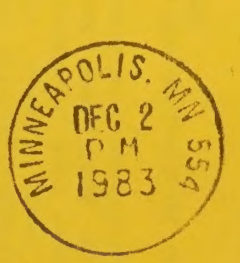
15-2700 Kala St., Pahoa, HI 96778

Tim Corcoran MEDIA SCAN
16 Vine St., Shavertown, PA 18708

Fred Vobbe TECHNICAL MEMORANDUM
P.O. Box 127, Temperance, MI 48182

**Contributions for the Jan. ACE should be sent to 118 37th Ave. So., Moorhead, MN 56560 USA. I'll be home for the holidays. Ph# 218-236-9173 till Jan. 2.



Webb Linzmayer, 1084
Electrovalue Ind.
16 Trowbridge Road
Morris Plains, NJ 07950

CLASSIFIED ADS

Non-Commercial ads free to members. Deadline Nov.20

For Sale: FRG-7700 with memory, has a Gilfer mod. or 2.4, 4.0, and 6.0 filters, FRT-7700 Ant. tuner, DC input memory unit and wired for 12 volts. Factory manual and carton included. Mint condition. $395.00, UPS paid. Joe Palkovic, 621 Truesdell Ave., Altamonte Springs, FL 32701. (305)331-5982, ncc. (1)

For Sale: Johnson Viking Valiant transmitter, 180 watts AM, good shape, VFO covers 160-10 meters. Asking $210, NYC-Long Island area only! Contact John Skelter through A*C*E HQ.(1)

I recently purchased a Heathkit DX-60 and would like tech info and some help in getting it on the air. Write Tommy Haynes, RT. 4, Box 145, Yazoo City, MS 39194.

I am looking for any VOICE OF PEACE broadcasts on reel or cassette. I have a cassette on a New Zealand off shore pirate for trades of any world-wide pirates, any language. It's called "111 Days at Sea", and very well produced. Bill Coleman, Jr., 114 Circle Drive, Rocky Mount, NC 27801 USA.

For Sale: SONY ICF-2001 with SONY AC adaptor. 2 years old, good condition-one memory position (out of six) sticky but everything else works fine. $85 shipped. Payment by certified or cashiers check to Paul Royce, PO Box 13081, Wauwatosa, WI 53213. (2)

For Sale: YAESU FRG-7 receiver, good shape good preformance. Ten Europirates heard with it, and 180 SW countries. Asking $220, negotiable. Scott McClellan, PO Box 982, Battle Creek, MI, 49016 or (616)965-0761 NCC. May consider trade for ICF-2001 + cash. (2)

For Sale: MAIL ROOM mailing list program, by Continental Software, for the Apple IIe. Original program, with documentation. Will handle 750 names per disk and quickly sort on 12 items. $20.00. Contact A*C*E HQ in Mpls. (3)

For Sale: (all eqpt includes manuals) Bearcat 200 Scanner, w/squelch tape recorder on/off module (recorder not included), perfect shape, 1 yr old; list $225, asking $140.00. Microworks PI80C serial/parallel interface for R.S. Color Computer. Use with parallel printer on the COCO: perfect shape, 1 yr old, list $69, asking $40. GE Model 100 port. computer, 24k, with AC PS, modem cable, perf. condx, 1 mo old, 3 items list $1025, asking $725.00. Vince Pinto, 2 Fairview Terrace, Suffern, NY, 10901, ph 914-357-7266. (1)